This Listing of Claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

Claims 1-13. (cancelled).

14. (previously presented): A method for detecting a radio coverage in a multicellular mobile radio system with a plurality of base stations connected to an evaluation unit, comprising:

providing a plurality of base stations in a normal operating mode, the base stations communicatively connected to an evaluation unit;

consecutively switching the plurality of base stations, one at a time, from the normal operating mode to a measuring operating mode;

measuring, by the one switched base station in the measuring operating mode, a field strength of each of the base stations locally adjacent to the one switched base station, with the locally adjacent base stations in the normal operating mode;

measuring, by the one switched base station in the measuring operating mode, a quality of synchronicity between the one switched base station and each of the locally adjacent base stations, with the locally adjacent base stations in the normal operating mode;

sending each measured field strength and measure of synchronicity quality to the evaluation unit;

switching the one switched base station in the measuring operating mode back to the normal operating mode, and

evaluating the field strength and synchronicity quality by the evaluation unit;

wherein the consecutive switching of base stations to the measuring operating mode, the measuring of the field strength, the synchronizing, the measuring of the synchronicity quality, the sending, and the switching of the one switched base station back to the normal operating mode is repeated such that each of the plurality of base stations is switched to the measuring operating mode.

15. (previously presented): A method in accordance with claim 14,

wherein the radio coverage is detected is in cycles, and

wherein the step of evaluating the field strength and synchronicity quality by the evaluation unit provides a current evaluation result based on measured field strength when one of the base stations is in a measuring operating mode and a comparison of measured field strength with a previous evaluation result.

16. (previously presented): A method in accordance with claim 14, wherein the evaluation unit automatically controls the consecutive switching of the base stations and automatically evaluates the measured field strength data.

17. (previously presented): A method in accordance with claim 14, further comprising modifying the mobile radio system by the evaluation unit based on a result of the evaluation.

18. (previously presented): A method in accordance with claim 14, wherein the evaluation unit creates a field string map for determining the position of a mobile unit.

19. (previously presented): A method in accordance with claim 14, wherein the mobile radio system is designed in accordance with a Digital Enhanced Cordless Telecommunications standard.

20. (previously presented): A method in accordance with claim 15, wherein provision of the measured field strength includes provision of a base station identifier.

21. (previously presented): A method in accordance with claim 14, wherein provision of the measured field strength includes provision of a base station identifier.

22. (previously presented): A method in accordance with claim 21, further comprising modifying the mobile radio system with the evaluation unit based on a result of the evaluation.

23. (previously presented): A method in accordance with claim 22, wherein the evaluation unit creates a field string map for determining the position of a mobile unit.

Claims 24-33. (cancelled).